Title (en)

DEVICE FOR DETERMINING AND/OR MONITORING AT LEAST ONE FILL LEVEL OF AT LEAST ONE MEDIUM IN A TANK USING A RUN-TIME MEASUREMENT METHOD AND/OR A CAPACITATIVE MEASUREMENT METHOD

Title (de)

VORRICHTUNG ZUR ERMITTLUNG UND/ODER ÜBERWACHUNG ZUMINDEST EINES FÜLLSTANDS VON ZUMINDEST EINEM MEDIUM IN EINEM BEHÄLTER GEMÄß EINER LAUFZEITMESSMETHODE UND/ODER EINER KAPAZITIVEN MESSMETHODE

Title (fr)

DISPOSITIF DE DÉTERMINATION ET/OU DE SURVEILLANCE D'AU MOINS UN NIVEAU D'AU MOINS UN MILIEU DANS UN CONTENANT, PAR UN PROCÉDÉ DE MESURE DU TEMPS DE TRANSIT ET/OU UN PROCÉDÉ DE MESURE CAPACITIF

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2009077435A2] The present invention relates to a device (1) for determining and/or monitoring at least one fill level (F, F0, Fu) of at least one medium (2, 3) in a tank (4) using a run-time measurement method and/or a capacitative measurement method by means of a at least one measurement probe (4) comprised by device (1), a capacitative measurement circuit (8), a time-range reflectometer measurement circuit (7), and a control/evaluation unit (6). According to the invention, a crossover network carries the low-frequency measurement signal (SNF) and the high-frequency, electromagnetic measurement signal (SHF) to the measurement probe (5) and causes a technical signal separation of the high-frequency, electromagnetic measurement signal (SHF) into the first signal path (17) of the time-range reflectometer measurement circuit (7) and the low-frequency measurement signal (SNp) into the second signal path (18) of the capacitative measurement circuit (8).

IPC 8 full level

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